Project	Project Description	Project Goals
Adirondack-Champlain Telemedicine Information Network (ACTION)	ACTION has leased fiber/Ethernet services that provide the engineering, materials, construction, implementation, maintenance, and sustaining network support for a dedicated, managed router/firewall service over a secure fiber/Ethernet broadband network. The network will provide 100 Mbps and 1 Gbps fiber/Ethernet and will also provide a 500Mb connection to the public Internet as part of this leased service.	Assist regional health care providers to increase access to an information system that will be fully utilized to: • Improve patient safety (alert for medication errors, drug allergies, and emergency response); • Improve health care quality (make available complete electronic medical records, test results and x-rays at the point of care, integrate health information from multiple sources and providers, incorporate the use of decision support tools with guidelines and research results, etc.); and, • Create a health information system for the purpose of sharing common patient medical information among ACTION members to improve quality of care and maximize cost efficiencies.
Alaska Native Tribal Health Consortium	Comprised primarily of rural health care practitioners, the consortium will unify and increase the capacity of disparate health care networks throughout Alaska in order to connect with urban health centers and access services in the lower 48 states. Approximately 270 facilities will be connected.	Improve broadband performance for 109 Alaskan health care organizations to better facilitate health information exchange, electronic health records (EHR) performance, digital imaging solutions and telemedicine.
Arizona Rural Community Health Information Exchange (ARCHIE)	New telecommunications connectivity for members of a health coalition in a rural county with little existing telecom infrastructure. Once connectivity is established, ARCHIE members plan to create a health information exchange (HIE) to share clinical data across a large geographical area with small population centers. ARCHIE will participate in telemedicine, distance learning, and public health data accumulation as these services become available.	• Increase health telecommunications infrastructure in Cochise County, AZ. • Initiate E-Health data sharing among health providers in Cochise County, with eventual inclusion of all health sectors (pharmacy, EMS, behavioral health). • Increase health data collection and surveillance utilizing public health systems, disease registries).
Arkansas Telehealth Network	Four existing networks will be consolidated and expanded using broadband connections to enable better patient care, including electronic records management, and coordinating responses to major public health incidents.	• Consolidate the state's existing telehealth networks; • Update and expand the statewide network to improve rural access; • Connect to Internet2 and Arkansas' dark fiber backbone, and • Schedule and manage the 24/7 needs of the statewide network through a centralized management system.
Bacon County Health Services, Inc.	A new 1 Gbps network will connect approximately 18 public and non-profit health care facilities in rural and urban locations in Georgia to an existing network, enabling telemedicine services, distance education, research, and effective disaster response.	The goals and purposes of the project are to provide improved health care to area residents, an to provide leadership in the development, coordination and rationalization of health care services.

Project	Project Description	Project Goals
California Telehealth Network (CTN)	CTN will connect over 800 California health care providers in underserved areas to a state- and nation-wide broadband network dedicated to health care.	CTN's goals are to advance the use of telecommunications and health care technology and to significantly increase access to acute, primary and preventive health care in rural America.
Colorado Health Care Connections (CHCC)	CHCC is a statewide, high speed private broadband network connecting approximately 95 hospitals and clinics enabling telehealth and collaboration between state organizations.	Goals are to grow the network, create partnerships, enable telehealth, and facilitate collaboration.
Communicare	A T1-based network connecting approximately 20 facilities specializing in mental health services will enable video consultation and other videoconferencing applications.	Establish point-to-point broadband links to Communicare service sites for purpose of providing mental health services, including telepsychiatry/therapy.
Erlanger Health System	Erlanger will extend an existing fiber network to deliver patient care, video consultations, and data exchange, to approximately 10 health care facilities serving residents in sparsely populated regions of southeast Tennessee and smaller areas of northern Georgia, and western North Carolina.	Improve rural access to a broader range of health care services.
Frontier Access to Rural Healthcare in Montana (FAhRM)	A state-wide network, using T1 connections to a high speed backbone, will connect approximately 140 health care facilities to provide high definition videoconferencing, maintain electronic health records, and provide other services.	The goal of the FAhRM project is to support the continued development and expansion of a reliable, cost effective telehealth network-of-networks that has sufficient, scalable bandwidth from defined hubs to the cloud to support the increasing demands for the delivery of health care applications in rural areas. The FAhRM pilot project will provide for end to end network allowing efficient, seamless and dynamic routing of data from and between six hub-site partners to 48 rural spoke-site entities.
Geisinger Health System	Existing network structures covering approximately 15 facilities will be enhanced and connected using high bandwidth connections to transfer radiographs, improve electronic record systems, and enable other telemedicine services.	To install a foundation of high speed bandwidth to multiple rural outlying hospitals then build multiple specialty telemedicine services over that foundation to accommodate rural residents and keep much needed revenue at rural outlying hospitals.
Greater Minnesota Telehealth Broadband Initiative	Is an affiliation of several existing health care networks in Minnesota and North Dakota representing over 140 health care facilities that is building a robust, reliable, and secure broadband network utilizing broadband connections up to 1Gbps, MPLS technology, and a Network Operating Center.	• Create a cost effective and medical grade telehealth delivery service infrastructure for bot rural and urban health care facilities. • Increase access to health care throughout the state and the region. • Allow for statewide and regional health information exchange. • Promote technical standards and operational best practices to reduce costs, boost performance, and improve ease-of-use of telehealth applications.

Project	Project Description	Project Goals
Health Information Exchange of Montana	Establish a dedicated, robust fiber optic network with connections to at least twenty-four participating sites to enable distance consultation, electronic record keeping and exchange, disaster readiness, clinical research and distance education services. The new network will also serve as a natural connection point to Internet2, UCAN and the Northern Tier Network.	• Develop a fiber optic network to support electronic health records, health information exchange, remote digital imaging and telemedicine/telehealth. • Provide network connections to support distance learning for health care education programs.
Heartland Unified Broadband Network	Existing networks will interconnect to a fiber-optic network of about 180 facilities with connections to Internet2.	The expanded and enhanced network will address health problems of the area's aging population, increase the use and quality of teleradiology and telehealth activities, and improve distance education programs.
Illinois Rural HealthNet Consortium	This statewide network will serve approximately 87 health care facilities and connect to Internet2. More than 95% of the connected locations will have connectivity at speeds ranging from 100 Mbps to 1 Gbps.	Participating health care providers will be able to meet new HIE and HIT requirements, treat more patients, consult with specialists while the patient is at the hospital, and send and receive radiological and digital imaging expeditiously, such as mammograms and C-scans.
Indiana Telehealth Network	The network will connect approximately 60 rural health care facilities throughout Indiana, including approximately 20 of the 35 critical access hospitals, several rural and urban hospitals, and approximately 30 community mental health centers and rural health clinics providing speeds from 5 mbps to 1 Gbps. The hospitals will serve as capacity hubs connecting to smaller health facilities.	To improve the health and well-being of Indiana residents, particularly those in rural areas, through the utilization of a dedicated broadband health network to deliver telehealth applications including but not limited to telemedicine, health information exchange, distance education and training, public health surveillance, emergency preparedness, and trauma syster development.
Iowa Health System	The new network connections will link approximately 78 health care facilities, including 52 rural facilities, to an existing statewide, dedicated, broadband health care network and National LambdaRail.	• Enable health-care professionals to deliver better care to their patients. • Whether it is through more effective sharing of medical information, remote radiology, diagnostic services or any other advanced tele-health application accessible over the network, the goal is to provide health-care professionals a capability to deliver better care • Potentially connect to other regional networks around the country, creating the footprint for a national health-care network capability.

Project	Project Description	Project Goals
Iowa Rural Health Telecommunications Program	To provide last mile fiber connection for participating Iowa, Nebraska and South Dakota hospitals to the closest appropriate ICN Point of Presence (POP) with 1 gigabit Ethernet electronics connection from each hospital to one of 19 ICN aggregation points and using Internet Protocol (IP)/Multiprotocol Label Switching (MPLS) electronics to connect the 19 aggregation points with a resilient (10) gigabit backbone that creates a statewide health care network, service assurance, service level management, and customer reporting functions.	• Solve the problems of isolation, travel and limited resources that constrain health care delivery in rural Iowa by providing increased bandwidth for clinical and administrative applications of the hospital's choosing. • Leverage current proven Iowa Communication Network assets to extend broadband service to rural Iowa hospitals. • Improve access to and availability of clinical and administrative services, data and information.
Kentucky Behavioral Telehealth Network	The network will connect community mental health facilities in Appalachian southeastern Kentucky to major urban hospitals to improve patient access to a full range of medical professionals. Approximately 27 facilities will be connected.	• Plan a Kentucky state wide rural health care network that links the existing statewide network of regional behavioral health providers with primary medical care providers and hospitals to improve access to a full range of medical care for persons with co-morbid medical conditions. • Design a Kentucky statewide rural telehealth network that seamlessly interfaces with existing state networks, makes uses of existing capacity, in place resources and technolog combined with the best of new technologies using a design team of highly qualified consulting systems and telecommunications engineers. • Establish a statewide telehealth network of behavioral health care providers linking them to each other, primary medical care, and specialty medical care resources that makes use of the national Internet2 network if necessary, when appropriate and available, utilize the Internet2 infrastructure, insuring maximum available bandwidth for the benefit of those rural areas medically underserved. • Implement, train and develop policies, procedures and clinical protocols that guarantee a swift adoption of the new technology as a resource to all members of the provider network. • Develop Implement and plan for network self sufficiency and sustainability.

Project	Project Description	Project Goals
Louisiana Department of Hospitals	The Department will connect approximately 168 facilities, about 93 of which are rural, to a broadband network that will link public and private health care providers to each other, enable patient access to medical specialists, and provide rapid and coordinated crises responses.	To promote access to telehealth and telemedicine applications.
Michigan Public Health Institute	New network infrastructure will connect Michigan health care providers and health networks to each other and Internet2 at speeds ranging from 1.5 Mbps to 1 Gbps and higher. The network will directly network well over 100 facilities, primarily rural and most located in underserved areas of the state.	• To network eight rural hospitals in the Thumb area of Michigan by building four towers and providing equipment for nine towers, with the system owned by the hospital consortium; • To network 72 health care providers throughout the state (including two hospitals in the eight-hospital Thumb network) via a secure, high-speed, health care-dedicated, MPLS network owned and operated by the vendor; and • To create private fiber networks for four hospital systems (covering a total of 34 sites).
Missouri Telehealth Network	The network will create a 2 Gbps statewide dedicated telehealth backbone, enabling new telemedicine services including those requiring high-definition video streaming. The network will also add about 32 facilities to an existing network of approximately 127 facilities and connect to Internet2.	• N/A
New England Telehealth Consortium	A multi-state telehealth network will deliver remote trauma consultation and expansive telemedicine by linking approximately 500 primarily rural health care facilities – including hospitals, behavioral health sites, correctional facility clinics, and community health care centers – in Vermont, New Hampshire and Maine to urban hospitals and universities throughout New England.	The goal of NETC is to augment health care services, health information exchange services, research, and education by enhancing broadband capacity and providing Internet2 services to support existing programs and the implementation of more effective and sustainable telehealth and telemedicine services.
North Carolina Telehealth Network	Regional network will connect approximately 100 health care facilities across North Carolina including public health clinics, free clinics, federally qualified community health centers (FQHCs), and hospitals.	Create and sustain a broadband network for health and care in NC focusing on public and non-profit providers.

Project	Project Description	Project Goals
North Country Telemedicine Project	A total of 27 health care facilities in a poor, sparsely populated region of northern New York are connected via a leased fiber/Ethernet service that includes a 500Mb connection to the public Internet at speeds ranging from 10 to 100 Mbps. Expected services will include teledermatology, teleradiology, diabetes, CME and telepsychiatry through video conferencing and education. The network serves the region surrounding Fort Drum, home to the most deployed soldiers in the United States Army.	• Identify the health care needs of the community surrounding and including Fort Drum, NY. • Develop a plan to address and support the health care needs of the community utilizing telemedicine and telemedical education. • Foster a platform for the collection and exchange of information to promote health through coordinated, area-wide health services programs.
Northeast HealthNet	The current approved application was for 21 entities of which approximately 75% are connected. This includes a composition of both urban and rural health care settings and provides for the access of diagnostic and clinical information.	The goals of the program are to enhance the current exchange of health care information as well as to further develop clinical education and telehealth initiatives.
Northeast Ohio Regional Health Information Organization	The expansion of an existing network to connect approximately 16 medical facilities at speeds ranging from 100 Mbps to 1 Gbps. The expansion is predominantly within the Northeast Ohio geography.	• Make all necessary health care information available to patients and providers where it is needed, when it is needed. • Provide a secure, confidential, patient-controlled environment for health information exchange. • Provide opportunities for patients to more actively participate in their health care. • Reduce duplicative testing, administrative burdens, and other barriers to cost-effective health care. • Enable health care research using de-identified data. • Reduce disparities in health care. • Provide transparency to enhance quality assessment and value comparison. • Enhance the economic viability of the region.
Northwest Alabama Mental Health Center	This broadband network links six community mental health centers with the Walker Baptist Medical Center. Five network sites have 15 Mbps service and two sites have 100 Mbps service.	Project goals are to provide telepsychiatry, VOIP, data and internet services over the broadband network.

Project	Project Description	Project Goals
Northwestern Pennsylvania Telemedicine Initiative	This project was designed to bring much needed specialty care to rural communities so that travel and time off from work may be minimized. With telemedicine, the community hospitals may be able to stop the migration of many patients (and subsequently revenue) to the larger tertiary care facilities. The technology was also to assist in the recruitment and retention of physicians for the rural communities.	• To improve access to a broad range of nationally recognized medical specialty services and help provide standardization of care for patients. • To encourage physicians, nurse, and allied health professionals to establish practices and services and remain in the rural communities • To increase public safety and promote the cooperation of smaller community hospitals to share services.
Oregon Health Network (OHN)	The network is a "hub & spoke" model that requires all approved telecommunications vendors to peer at a central exchange point (Northwest Access Exchange), and who agree to live up to OHN's strict service level agreements (SLA's). OHN's network configuration and SLAs provide the connectivity infrastructure required to support current and future health care applications that serve the next generation of patient-centered care and health care education.	• Build the core network infrastructure and participant base footprint necessary to build the value and momentum needed to support a sustainable statewide health care network. • Provide as much middle-mile infrastructure as possible throughout Oregon to eventually drop the barrier to entry (cost) for the expanded health care community to join the OHN. In addition this infrastructure allows all Oregonians potential access to broadband including schools and business fostering economic growth. • Ensure that all our participants are effectively using OHN to serve the Triple Aim goals o Centers for Medicare & Medicaid Services (CMS).
Pacific Broadband Telehealth Demonstration Project	Project will link approximately 96 health care facilities throughout Hawaii and the Pacific Island region to serve a population that spans 11 islands.	• To interconnect health care organizations throughout the State of Hawaii and the Pacific Islands region to a broadband telehealth network that will enable clinicians and support staff to improve the delivery of health care services to rural, remote, and underserved populations. • The network will facilitate many telehealth, telemedicine, clinical, and health related education and training services, and expand the network of service providers through the Internet2.
Palmetto State Providers Network	Connects four rural and underserved regions to a fiber optic backbone being developed in the state and Internet2. FQHC providers will also be added to the network. Network will connect approximately 58 facilities at speeds ranging from 10 Mbps to 10 Gbps.	• Connect all RHC eligible hospitals, clinics and health care providers throughout the state. • Provide a high quality, high speed, fully redundant network to the HPCs of the state. • Provide health care support to underserved areas with specific emphasis on rural counties. • Support telemedicine, telehealth and Health Information Exchange needs for all participants.

Project	Project Description	Project Goals
Pathways Community Behavioral Healthcare, Inc.	Not-for-profit community mental health center will connect approximately 15 outlying offices to its headquarters. The dedicated T1 network will extend outreach to the current population served, and reduce the costs of recruiting physicians to relocate in rural areas.	To provide clinical and psychiatric care to the rural areas in the state of Missouri.
Pennsylvania Mountains Healthcare Alliance	New broadband network proposed by a consortium of approximately 21 hospitals in rural central and western Pennsylvania will provide a variety of telemedicine services, telehealth services, shared HCIS, and health care information exchange in more than 20 counties. Network will provide a minimum of 10 Mbps service.	Facilitate: • Acquisition of bulk Internet services for hospitals and clinics; • Health information exchange for rural hospitals and clinics; • Telemedicine, telehealth and other shared resources for back office integration; • Shared health care information system implementations reducing cost for critical access hospitals.
Rocky Mountain HealthNet	Statewide, high speed private broadband network connecting approximately 105 mental health centers enabling telehealth and collaboration between state organizations.	Goals are to grow the network, create partnerships, enable telehealth, and facilitate collaboration.
Rural Nebraska Healthcare Network	Consortium of nine rural hospitals and related clinics will upgrade a patchwork of T-1 lines with an advanced fiber network. Network will provide speeds of up to 2 Gbps for a variety of telehealth and telemedicine services in an underserved rural area.	• Improve quality of care and patient safety; • Enable the exchange of health information; • Promote the vision of a system of care for Western Nebraska; • Integrate electronic medical records with other systems; • Expand the use of telehealth and telemedicine.
Rural Western and Central Maine Broadband Initiative	New, high-speed fiber optic cable network will serve approximately 80 health care facilities.	To provide broadband access to underserved health care facilities in Central and Western Maine.
Rural Wisconsin Health Cooperative ITN (RWHC ITN)	Will augment an existing shared electronic health records project by providing network management/systems and redundant connectivity from participating hospitals to 2 consortium datacenters, as well as higher speeds that will range from 20 to 100 Mbps.	• Provide high speed, redundant WAN connectivity for facilities and clinics participating in a RWHC ITN Shared EHR Initiative; • To provide redundant connectivity between the redundant hospital-consortium data centers; and • To implement WAN management and security features to maximize uptime.
Sanford Health Collaboration and Communication Channel	Project will connect seven existing networks at speeds of up to 100 Mbps to access administrative services and connect with educational institutions. Facilities served include the Aberdeen, S.D. area Indian Health Services.	• Increase bandwidth to our locations that need increased bandwidth; • Increase failover technology for our locations; • Improve network design.

Project	Project Description	Project Goals
Southern Ohio Health Care Network	Project will provide approximately 60 facilities with next-generation telemedicine, education, and interconnection with statewide emergency networks and Internet2 by building or purchasing fiber optic rings covering 315 miles. Will also provide connectivity to facilities outside the reach of the fiber optic rings.	To provide approximately 120 health care facilities in 13 counties with next-generation telemedicine, education, and interconnection with statewide emergency networks and Internet2.
Southwest Alabama Mental Health Consortium	Network will connect with Internet2 and provide voice, video and data transmission capabilities to approximately 31 mental health facilities serving 16 counties. Connection speeds range from 3 to 100 Mbps.	N/A
Southwest Telehealth Access Grid	This collaboration of several health care organizations being lead by the UNM CfTH, includes UNM Hospital and Health Sciences Center, Presbyterian Health Systems, Primary Care Association, San Juan Regional Medical Center, Carlsbad Behavioral Health Services, the Albuquerque Area Indian Health Services, and stakeholders in the Navajo Nation; Ft. Defiance, Winslow, and Hardrock service units. Other participants include LCF Research and the Arizona Telemedicine Program. This enhanced broadband network will link hundreds of health care sites and provide the critical infrastructure to support access to telemedicine services, health education, training, research, and health information exchange.	Create a network of networks that provides sustainable, affordable broadband that supports health care; telemedicine, eHealth, in order to improve access to health care services, improve health outcomes, and reduce costs in our region and across the nation.
St. Joseph's Hospital	St. Joseph's Hospital RHCPP consortium is building a broadband network in Western Wisconsin with to enable a streamlined delivery of telehealth services between providers. Project will link two existing fiber systems in the city of Chippewa Falls to the hospital, two other facilities and Internet2 in order to expand telemedicine offerings.	• Increase access to health services in rural and underserved communities. • Improve the health care services in the area by providing timely access to health care specialists through the use of telehealth services by linking urban health care providers with rural hospitals.
Tennessee Telehealth Network	Will build on and expand the existing Tennessee Information Infrastructure to serve approximately 450 facilities. Connects to Internet2; will support diabetes research involving three state research centers.	Develop a robust telehealth network throughout the state of Tennessee.

Project	Project Description	Project Goals
Texas Health Information Network Collaborative	Will expand and improve an existing network serving approximately 40 primarily rural health care facilities at speeds of at least 45 Mbps.	• Provide an interoperable, secure, scalable and cost effective medical grade broadband network to health care facilities in order to connect rural health providers to urban and regional centers so that they may expand health care access, improved services, health information exchange and other services across the entire state of Texas. • Future goals include allowing physicians and health care consumers use the network to collect health information in the home and wherever the patient may be.
Utah Telehealth Network	The project will upgrade and expand an existing network to serve hospitals, clinics, FQHCs, and public health departments throughout Utah. The network will utilize dedicated Ethernet via fiber optics and microwave to provide high speed broadband and improve network reliability. Originally entitled the Utah ARCHES Project, the purpose of the project remains to Advance Rural Connections for Healthcare and E-health Services.	• The expansion of telehealth and telemedicine; • Adoption of health information technology and health information exchange; • Foster collaboration to improve patient care; • Improve training and education for health care professionals.
Virginia Acute Stroke Telehealth Project	Further the deployment of broadband in support of a tele-stroke project. Emphasis is on underserved areas where broadband is lacking (Eastern Shore and the Northern Neck, Middle Peninsula) and those areas that have a strong desire for a tele-stroke project.	Maximize use of FCC Pilot Program funding to bring broadband communications to rural and under served areas of the Commonwealth.
West Virginia Telehealth Alliance	Statewide network will connect approximately 450 facilities to improve connectivity for rural health centers. Project is focused on regions of the state with historically high concentrations of poor and elderly individuals suffering from chronic medical conditions. Will connect to Internet2; speeds range from T1 lines at 1.5 Mbps to 1 Gbps fiber.	• To complete bandwidth upgrades; • Provide guidance to network participants in furthering their Telehealth IQ and assist then to meet each organization's goals by being a conduit of information to those ends.
Western New York Rural Area Health Education Center	Network will connect about 40 facilities in rural and urban areas with varying speeds from 10 - 800 Mbps based on facility need in order to provide access to experienced specialty physicians and critical life-saving treatments.	• Creating regional telehealth network; • Provide high speed internet connections at an affordable cost; • Providing health care and health care education on dedicated broadband network; • Connecting those who have with those who need.
Wyoming Network for Telehealth (WyNETTE)	Will help alleviate Wyoming's severe shortage of health care providers and reduce the need for the state's significant rural population to drive long distances for health care by connecting 37 hospitals, primary care clinics, community mental health centers and substance abuse centers. Connects with Internet2.	• Provide high-speed connectivity to participating sites using existing copper connections. • Encourage use of telecommunications to support collaboration among health care providers in Wyoming.